



The Winds of Change: Are You Ready?

The printing press was a world-altering invention, so in the Internet. Could the next information revolution come from something so simple as the act of sharing? Come learn about Open Educational Resources (OER) and how you can find and implement free, open, re-usable, re-mixable, re-sharable materials for your classroom!

Presenter:

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Many things have changed the course of our history



Wheel: Image: Presenter Media ©

Before the invention of the wheel in 3500 B.C., humans were severely limited in how much stuff we could transport over land, and how far. Wheeled carts facilitated agriculture and commerce by enabling the transportation of goods to and from markets, as well as easing the burdens of people traveling great distances.

Compass: Image: Presenter Media ©

The Chinese invented the first compass sometime between the 9th and 11th century; it was made of lodestone, a naturally-magnetized iron ore, the attractive properties of which they had been studying for centuries. (Pictured is a model of an ancient Chinese compass from the Han Dynasty; it is a south-indicating ladle, or sinan, made of polished lodestone.) Soon after, the technology passed to Europeans and Arabs through nautical contact. The compass enabled mariners to navigate safely far from land, increasing sea trade and contributing to the Age of Discovery.

Printing Press: Image source: http://upload.wikimedia.org/wikipedia/commons/f/fb/Hoe's_one_cylinder_printing_press.png

The German Johannes Gutenberg invented the printing press around 1440. Key to its development was the hand mold, a new molding technique that enabled the rapid creation of large quantities of metal movable type. Printing presses exponentially increased the speed with which book copies could be made, and thus they led to the



From the National Education Technology Plan: <http://www.ed.gov/sites/default/files/netp2010.pdf>

Open educational resources (OER) are teaching, learning, and research resources that reside in the public domain or have been released under an intellectual property license that permits sharing, accessing, repurposing—including for commercial purposes—and collaborating with others. These resources are an important element of an infrastructure for learning. Originating in higher education, OER forms range from podcasts to digital libraries to textbooks, games, and courses, and they are freely available to anyone over the Web. (pg 56)

The 5 R's of Openness

- **Retain** – the right to make, own, and control copies of the content
- **Reuse** – the right to use the content in a wide range of ways (e.g., in a class, in a study group, on a website, in a video)
- **Revise** – the right to adapt, adjust, modify, or alter the content itself (e.g., translate the content into another language)
- **Remix** – the right to combine the original or revised content with other open content to create something new (e.g., incorporate the content into a mashup)
- **Redistribute** – the right to share copies of the original content, your revisions, or your remixes with others (e.g., give a copy of the content to a friend)



Source: This material is based on original writing by David Wiley, which was published freely under a Creative Commons Attribution license at: <http://opencontent.org/blog/archives/3221>

AE Teachers are Amazing Creators*

By necessity, adult education teachers create vast amounts of materials, lessons, activities and other resources to help students succeed. And many of them are very willing to share!

**How do we share
material that honors
the work of others?**



<http://lincs.ed.gov/programs/oerstem>
<http://whyopenedmatters.org/>

It's all in the Licensing!

MOST OPEN

CC0

BY

BY SA

BY ND

BY NC

BY NC SA

BY NC ND

LEAST OPEN

Creative Commons – A way to license copyright work for specific use by others. From attribution to attribution but no derivative works nor commercial use.

CC licenses give both creator AND user the freedom to license work for others to use.

Second presentation on the different licenses: <https://docs.google.com/presentation/d/12EshM-EW5j-5sgj640QoylJl6S2SGWbSWo3xFuALaTk/edit#slide=id.p18>



So how does this work?

- I create my own original work with the intent of sharing it with others.
 - I ensure all my materials are my original work OR they are licensed so I can share them (revise & remix)
- I clearly license my work with a Creative Commons license indicating exactly how others can use my work.
- I can then share it with others by handing them a copy, sharing it on a web site or OER repository.

What does this mean for YOU?

You can find my work, use it, revise it, remix it, and re-share it. (If I licensed it that way!)



Sounds too good to be true...

- Issue of Quality
- Consider [Review Rubrics](#)
- I don't want to create, where do I FIND them?
- Do they align to standards? (usually)
- What can be OER?

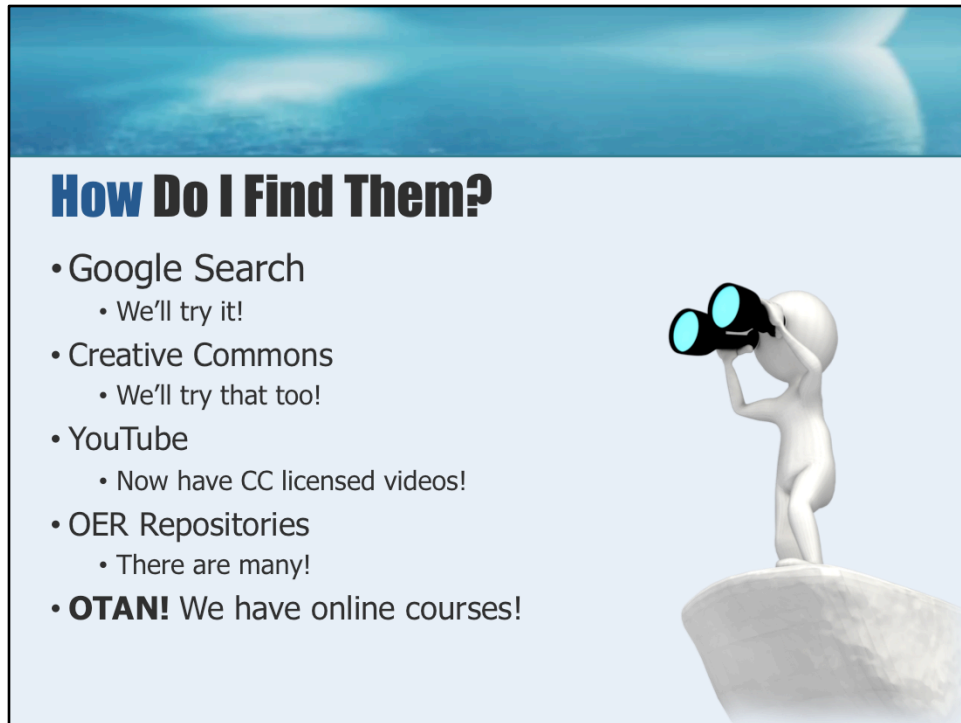
Pretty much anything digital.

Find Achieve OER Review Rubrics at: <http://achieve.org/oer-rubrics>

Washington State OER Resources page: <http://digitallearning.k12.wa.us/oer/rubrics.php>

Examples of OER:

Found online (so digital) lesson plans, worksheets, handouts, interactive games, simulations, virtual labs, courses, audio files, video lectures; video clips,



Good resource to start learning about OER (beyond Creative Commons) <http://www.edutopia.org/open-educational-resources-guide>

Additional Resources on the Web

Open Repositories, Collections, and Tools

Curriki

OER Commons

EDSITEment

FREE: Federal Registry for Educational Excellence

Gooru

myOER.org

OpenEd

PBS LearningMedia

ShareMyLesson

TED-Ed

The Gateway to 21st Century Skills

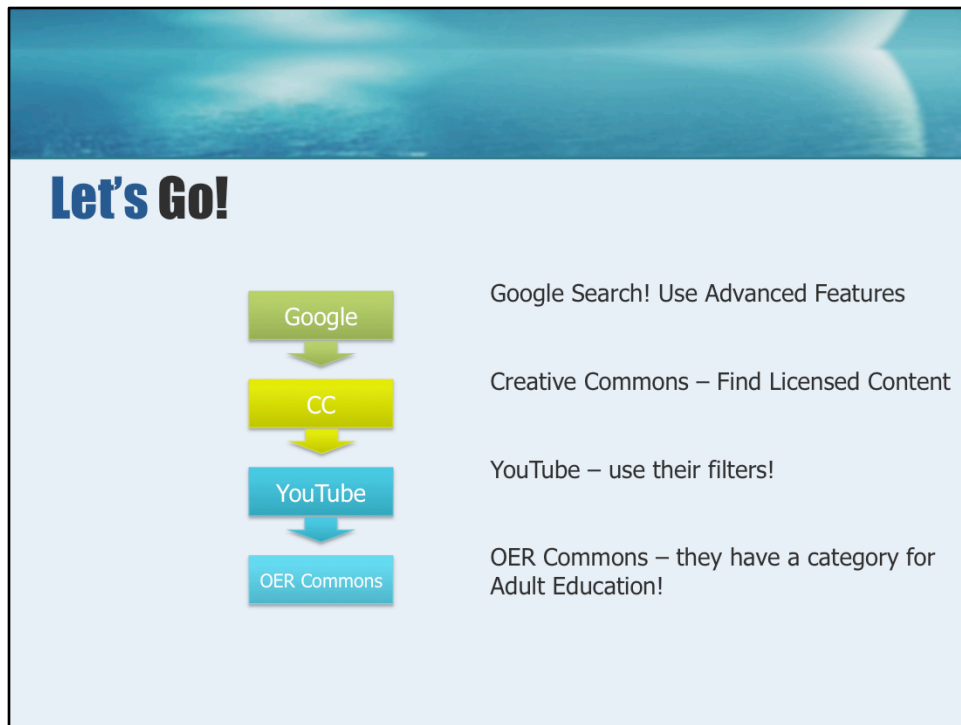
WatchKnowLearn

Open Books and Textbooks

CK-12 Foundation

Project Gutenberg

Open Courses and Learning Modules



Sites:

[Http://www.google.com](http://www.google.com); look under advanced search (the 'sprocket')

[Http://search.creativecommons.org](http://search.creativecommons.org) – a list of several sites that offer CC licensed materials

[Http://www.youtube.com](http://www.youtube.com) – use advanced search filters to find CC licensed videos

[Http://www.oercommons.org](http://www.oercommons.org) – sign up and look for OER that have the Adult Education tag as well as reviews by other adult educators



Other Resources

- [Curriki](#)
- [EDSITEment](#)
- [Free Federal Registry for Education Excellence](#)
- [myOER.org](#)
- [OpenEd](#)
- [ShareMyLesson](#)




Open Courses and Learning Modules

- [Big History Project](#)
- [HippoCampus.org](#) from National Repository of Online Courses
- [Khan Academy](#)
- [MIT Open CourseWare](#): Highlights for High School
- [Saylor.org](#)

- **OTAN** — ESL, Transition, E.L. Civics, Citizenship, Writing (created by Adult Education teachers for adult learners)

Become an OER Super Hero!

- Learn about Creative Commons
 - Teach someone else
- License your work with CC
 - Choose your license
- Consider sharing your work
 - OER Commons



OER Roundup by Edutopia: <http://www.edutopia.org/open-educational-resources-guide>

Questions? More Information?

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Thank you



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Or go to:

<http://pennyspresentations.wikispaces.com>

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